Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_\_\_\_

HW#1\_BR2: Big Rock 2 Review

Honors Geometry

Due Date: Friday, Oct. 10th , 2014

|  |  |
| --- | --- |
| 1) **Writing:** Describe the **steps** you would take to write an equation in point-slope form of the line that passes through the point (3, - 2) and (4, 5). | |
| 2) Write an equation in **point-slope form** of the line that passes through the given point and has the given slope *m.*   |  |  |  | | --- | --- | --- | | a) | b) | c) | | |
| Write an equation in **slope-intercept** form of the line with the given slope and y-intercept. ***Show your work! Box your answer!***  3) Slope: 5, y-intercept: 7 4) Slope: , y-intercept: 2 5) Slope: , y-intercept: 1 | |
| Write an equation in **slope-intercept** form of the line that passes through the given point and has the given slope *m.*  ***Show your work! Box your answer!***  6)  7)  8) | |
| Write an equation in **point-slope** form of the line that passes through the given points. ***Show your work! Box your answer!***  9)  10)  11) | |
| 12) A stylist earns $10 an hour plus $3 per haircut. Which equation represents the stylist’s hourly earnings?  F.  G.  H.  J.  K. none of the above  **Explain:** | 13) Write an equation in **standard form** of the line with the given characteristics: Slope:10, Passes through    14) Based on the **standard form** equation, find & box the  **y-intercept** (set x=0) and the **x-intercept** (set y=0). |